

Prokaryotic per-amino acid codon frequency vs GC3 graphs

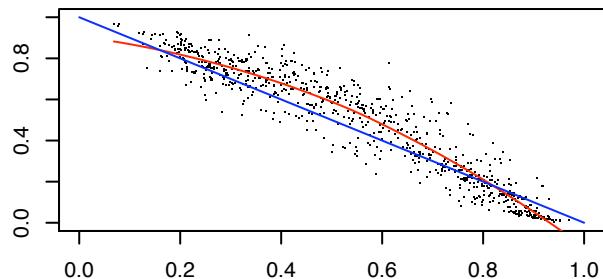
Supplemental data for the publication Palidwor et al, 2010

This file contains graphs of codon frequency vs GC3 for prokaryotic genomes based on the gbbct.spsum CUTG codon usage data derived from the NCBI GenBank Flat File Release 160.0.

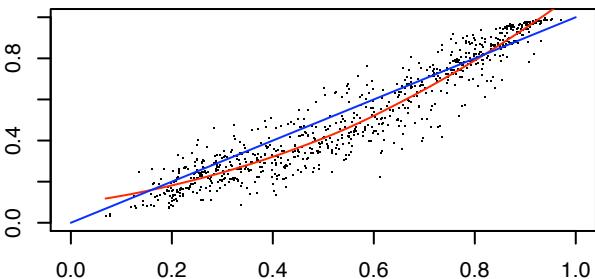
The x-axis of each graph is GC3, the y-axis is codon frequency (per-amino acid). Each point represents a single prokaryotic genome.

The blue line is the model prediction, the red line a loess fit to the observed data.

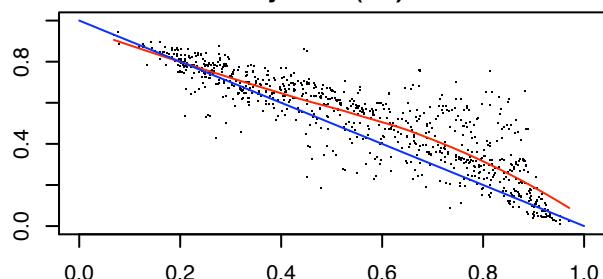
phe TTT (AT)



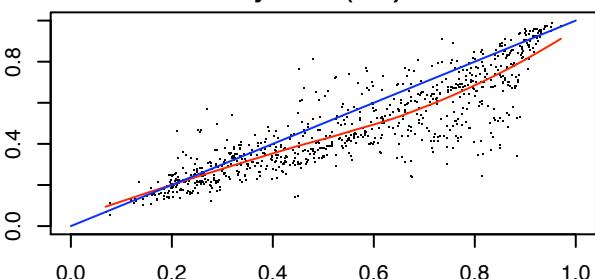
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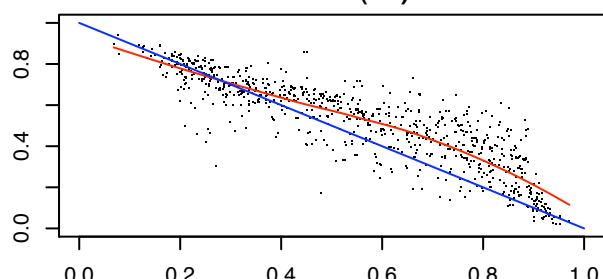
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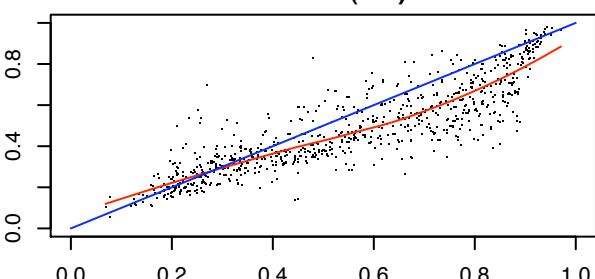
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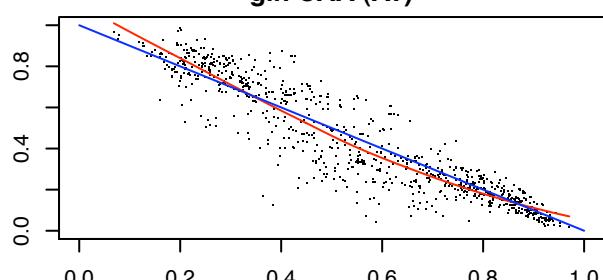
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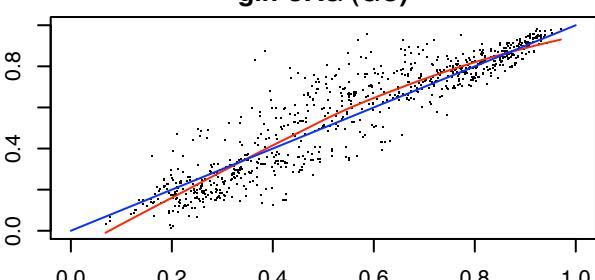
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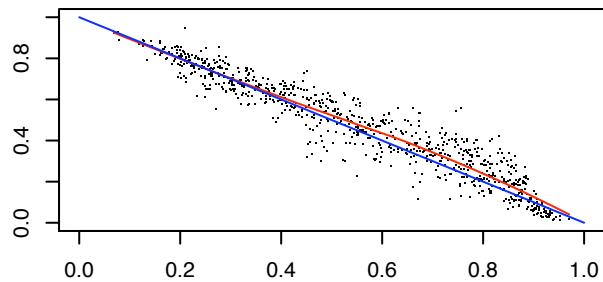
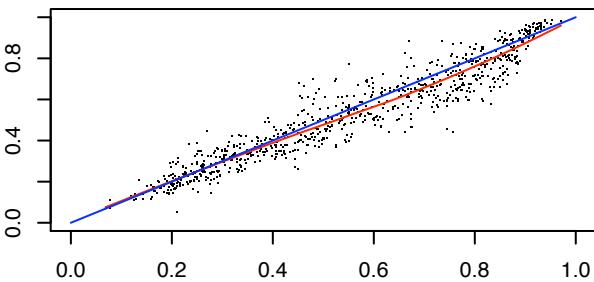
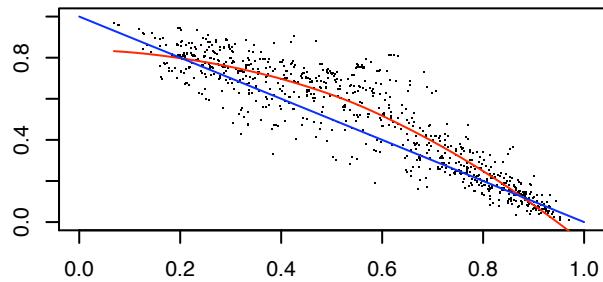
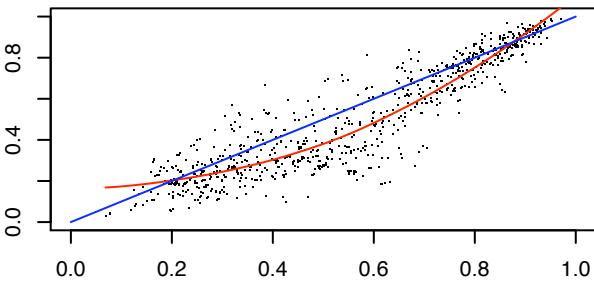
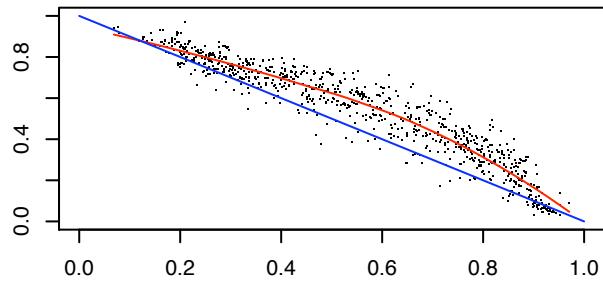
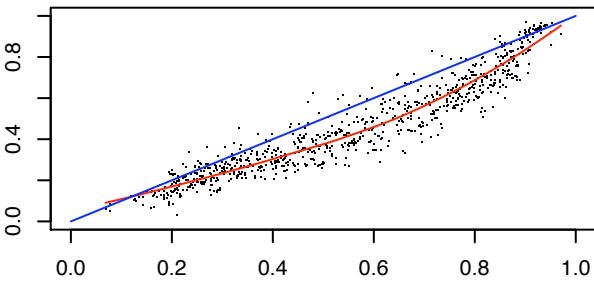
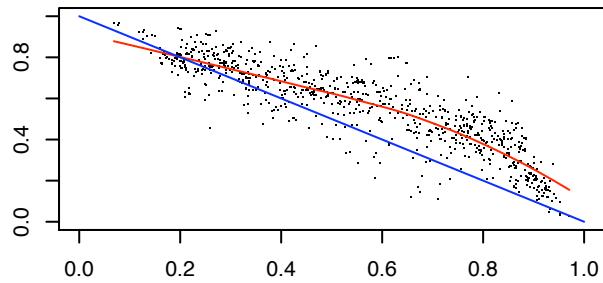
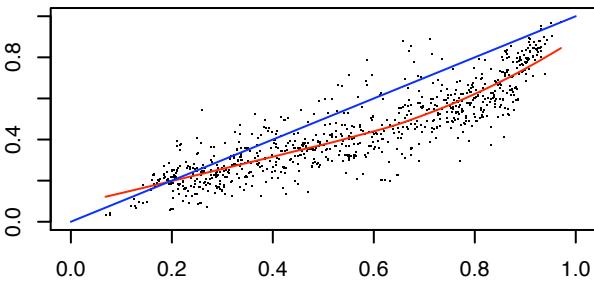


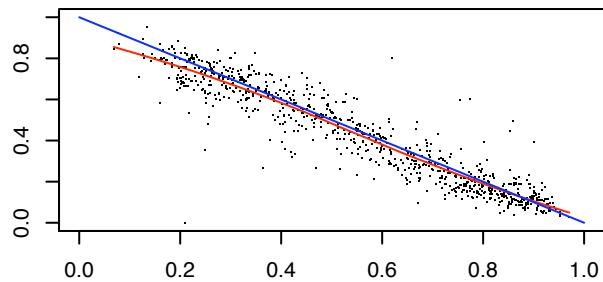
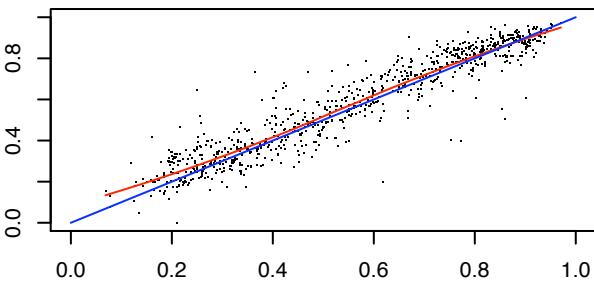
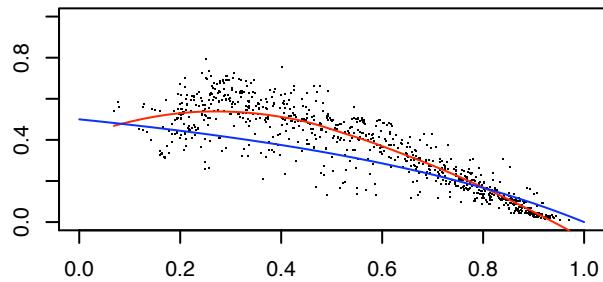
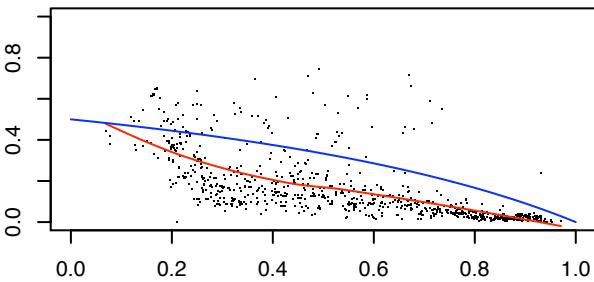
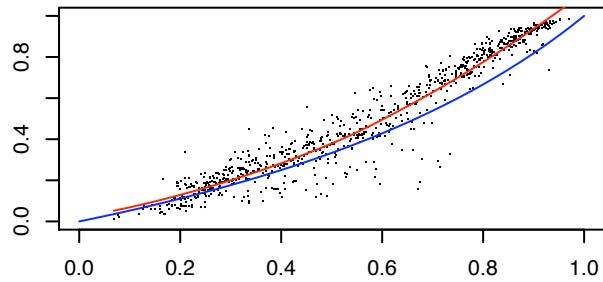
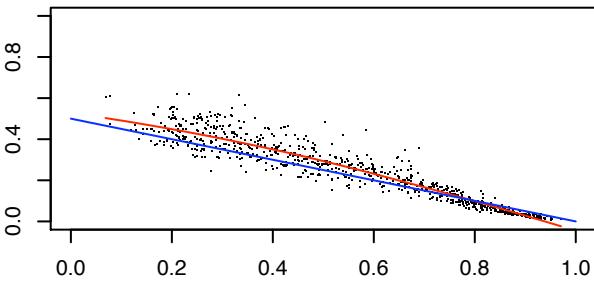
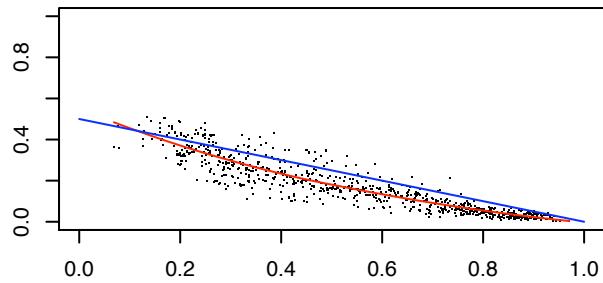
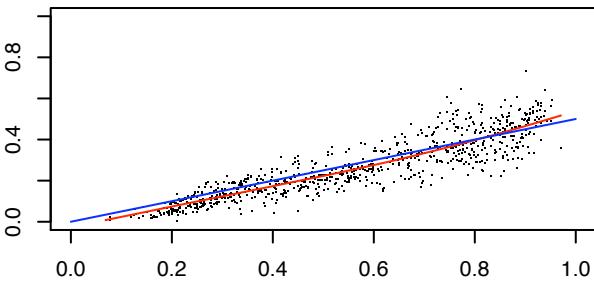
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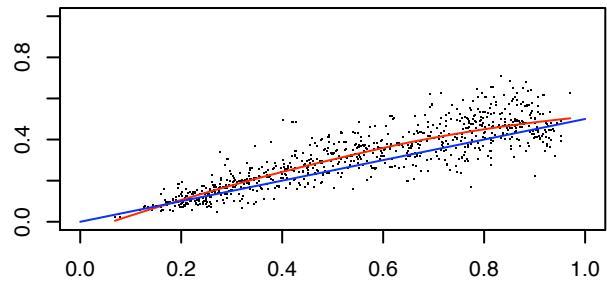
gln CAG (GC)



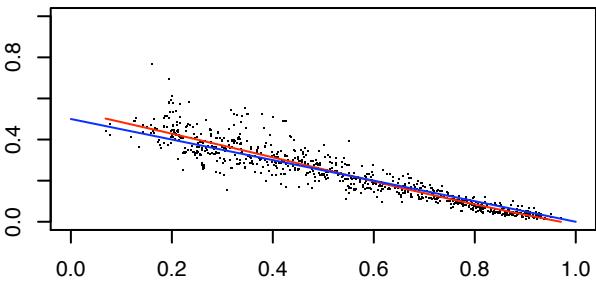
asn AAT (AT)**asn AAC (GC)****lys AAA (AT)****lys AAG (GC)****asp GAT (AT)****asp GAC (GC)****glu GAA (AT)****glu GAG (GC)**

cys TGT (AT)**cys TGC (GC)****ile ATT (AT)****ile ATA (AT)****ile ATC (GC)****val GTT (AT)****val GTA (AT)****val GTC (GC)**

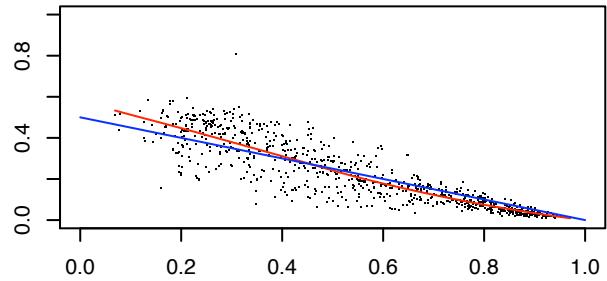
val GTG (GC)



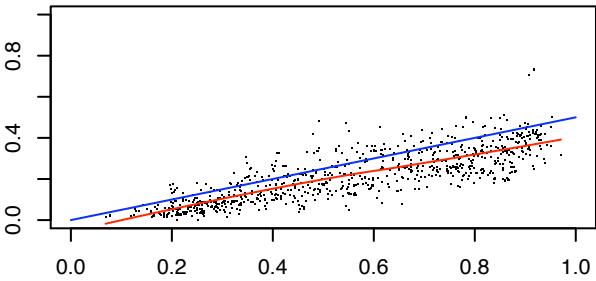
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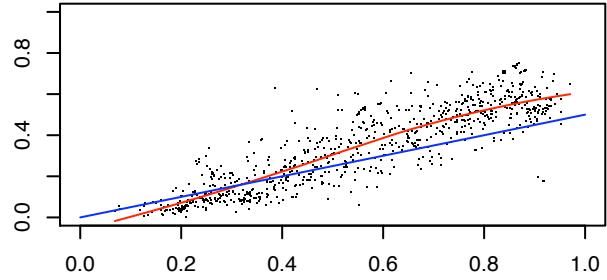
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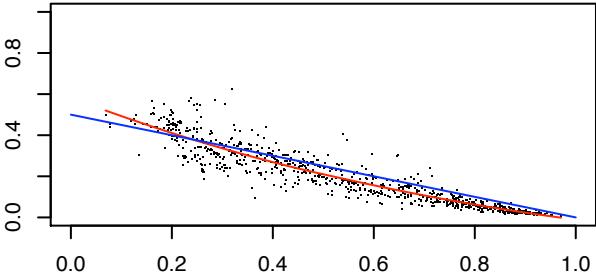
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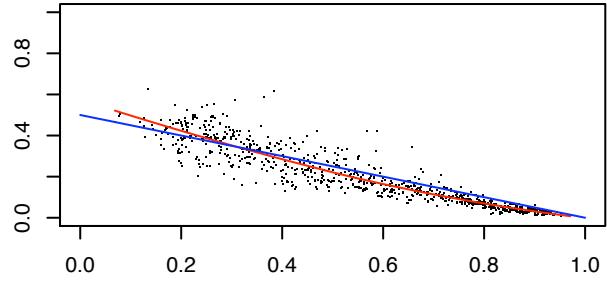
pro CCG (GC)



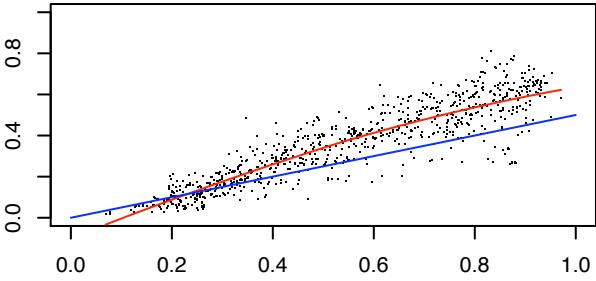
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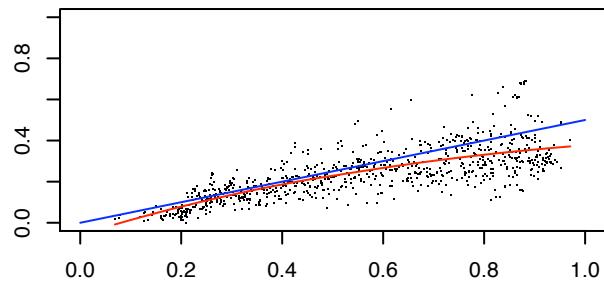
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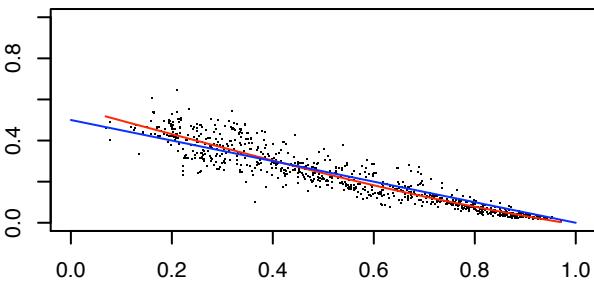
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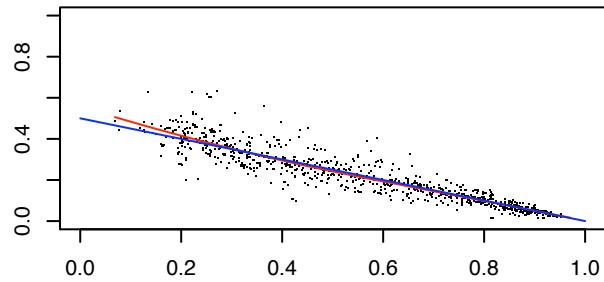
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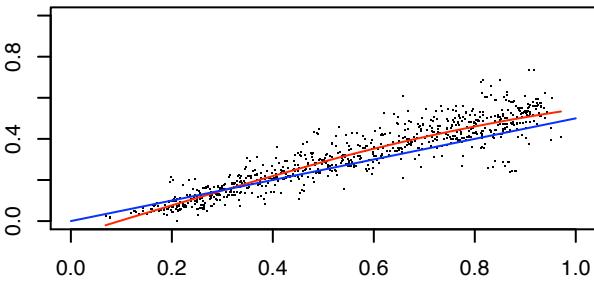
ala GCT (AT)



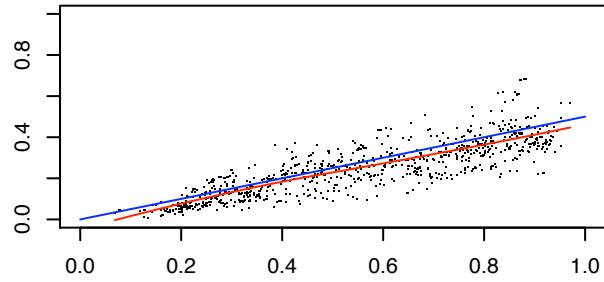
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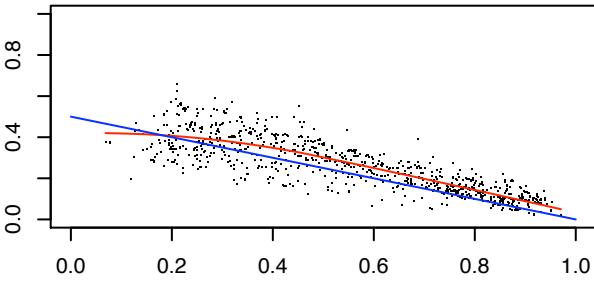
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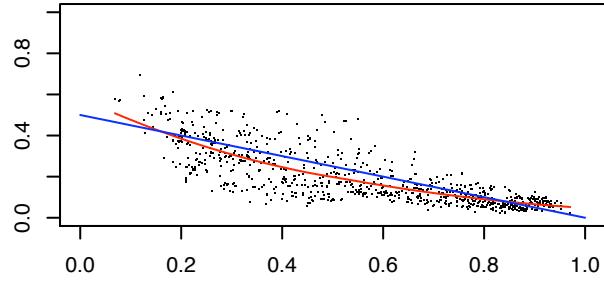
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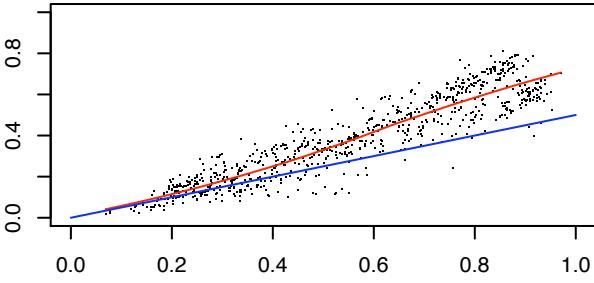
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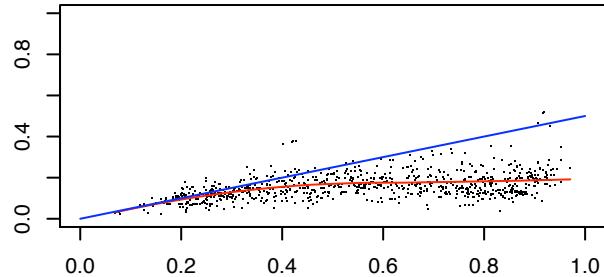
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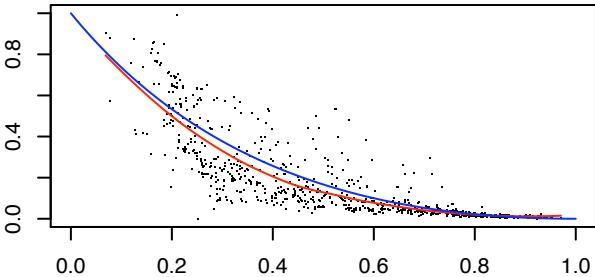
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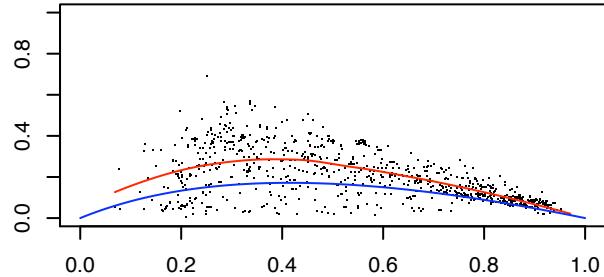
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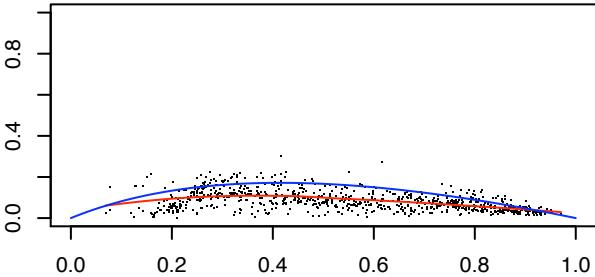
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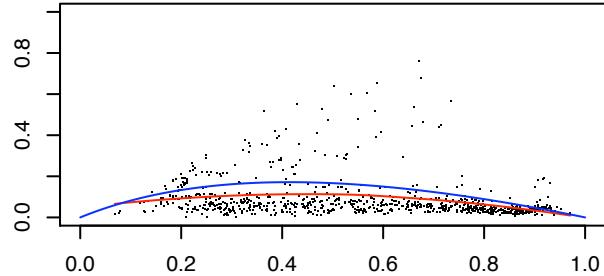
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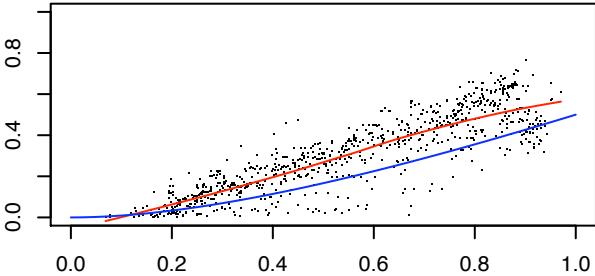
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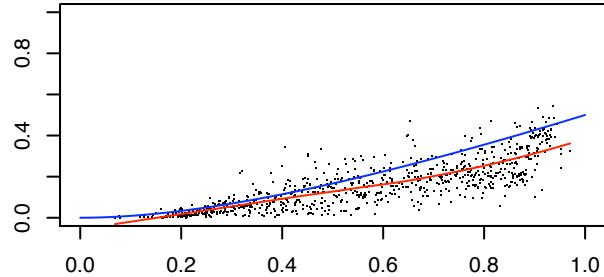
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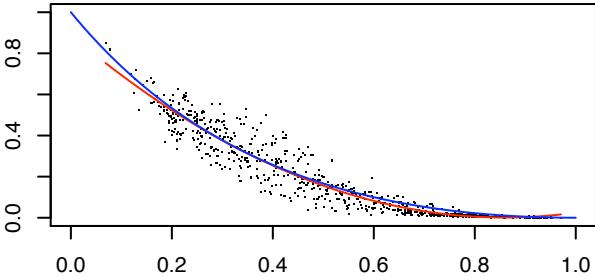
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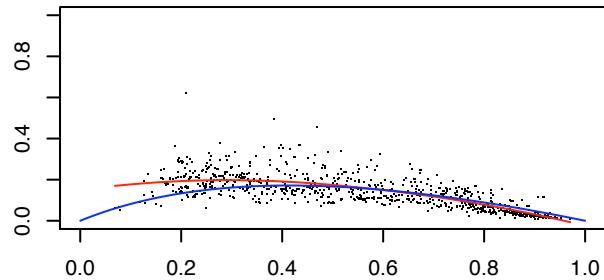
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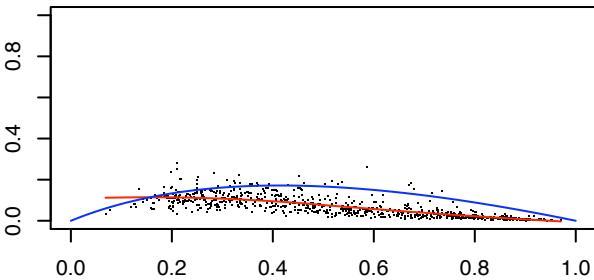
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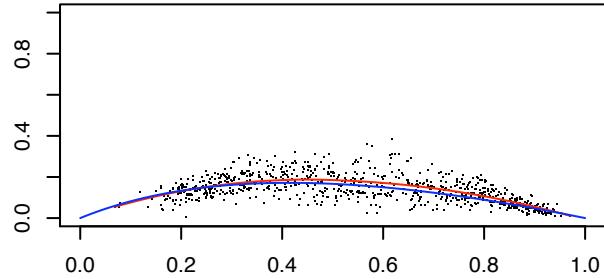
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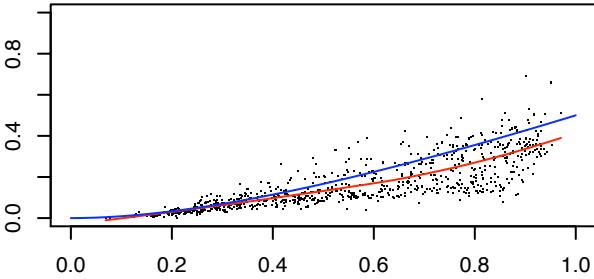
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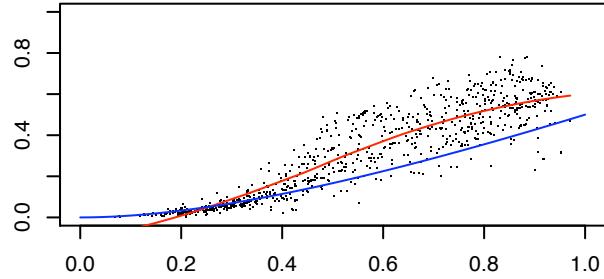
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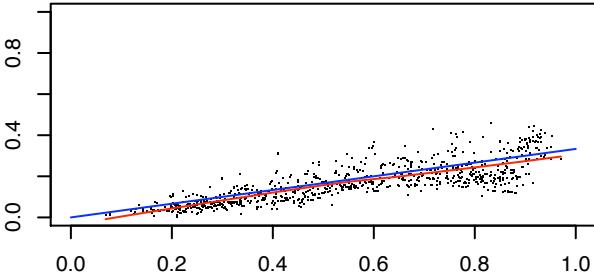
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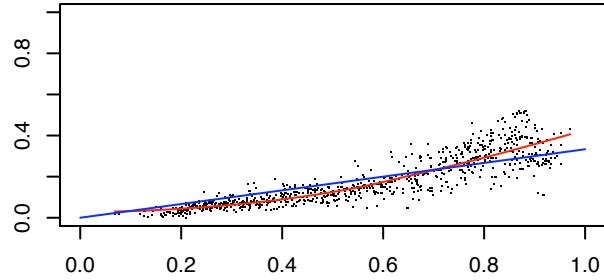
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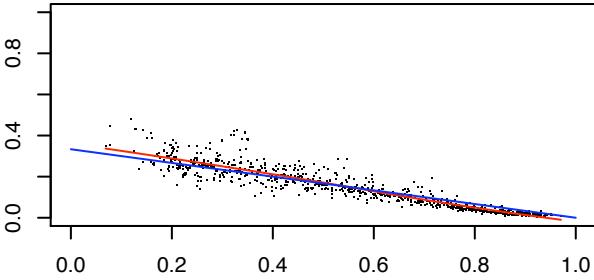
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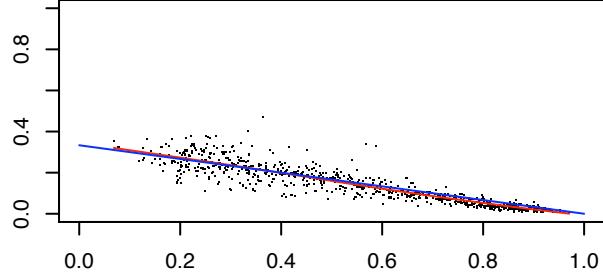
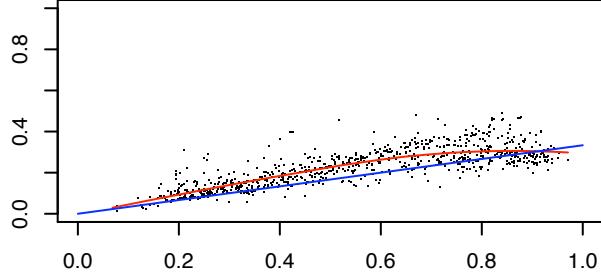
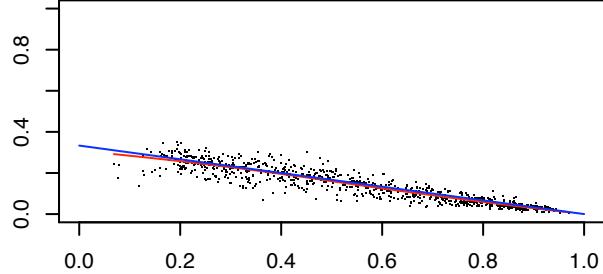
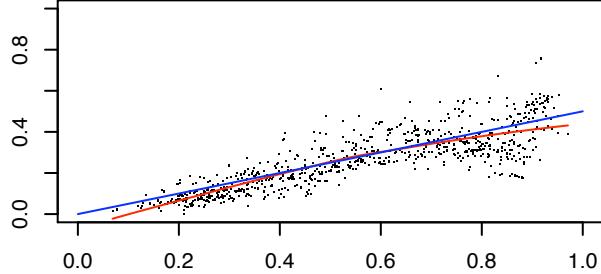
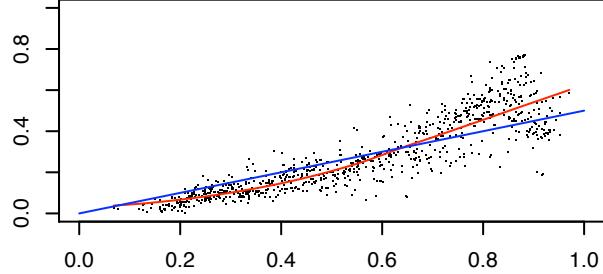
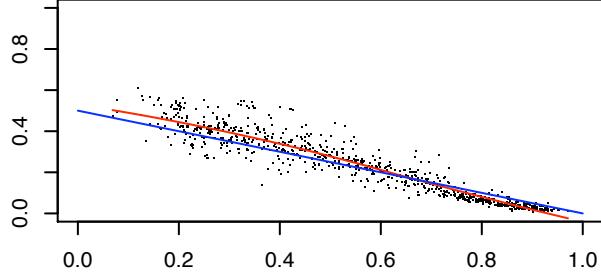
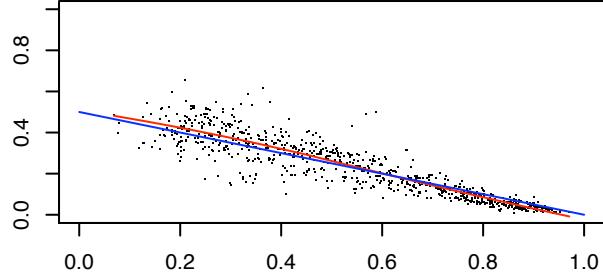
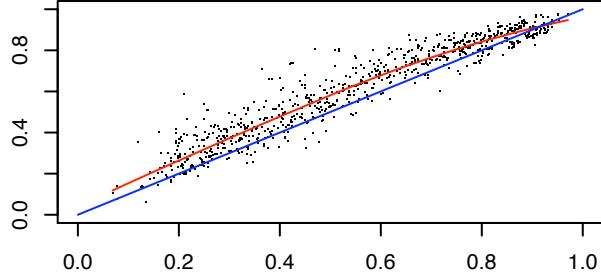


ser TCG (GC)



ser TCT (AT)



ser TCA (AT)**ser AGC (GC)****ser AGT (AT)****ser4 TCC (GC)****ser4 TCG (GC)****ser4 TCT (AT)****ser4 TCA (AT)****ser2 AGC (GC)**

ser2 AGT (AT)

